

**INDIAN BUREAU OF MINES  
MINERALS DEVELOPEMMENT AND REGULATION DIVISION**

**MCDR INSPECTION REPORT**

**Dehradun regional office**

**Mine file No :** HP/SRM/LST-42

**Mine code :** 38HPR10037

- (i) Name of the Inspecting : 002 ) DAMODAR PRASAD SHARMA  
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine : Mr. N.S Rana , Mine Manager  
Official with  
Designation
- (iv) Date of Inspection : 24-FEB-23
- (v) Prev.inspection date : 30-MAY-22

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **BARWANA**
- (b) **Registration NO.** : **IBM/4621/2011**
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address
- State : HIMACHAL PRADESH
- District : SIRMUR
- Village : BARWANA
- Taluka : SANGARH
- Post office : ANDHERI
- Pin Code :
- FAX No. : N.A
- E-mail : shersinghpaonta@gmail.com
- Phone : 09418549276
- (f) Police Station : RENUKAJI
- (g) First opening date : 25-AUG-80
- (h) Weekly day of rest : SUN
2. Address for : RAJENDRA SINGH  
correspondance VPO - ANDHERI, TEHSHIL - SHRIRENUKAJI  
DISTRICT - SIRMOUR (HP)

## 5. Name and Address of the

Lessee : SUNDER SINGH  
SIRMUR HIMACHAL PRADESH  
Phone:  
FAX :

Owner : SHRI RAJENDRA SINGH  
VPO-ANDHERI, TEHSIL-SHRI  
RENUKAJI, DISTRICT-SIRMOUR,  
HP SIRMUR HIMACHAL PRADESH  
Phone:  
FAX :

## Mining Engineer

Name : N.S.Rana, Full Time  
Qualification : Mines Forman Certificate  
Appointment/ : 01-JUL-12  
Termination date

## Mining Engineer

Name : B. K. RAI, Full Time  
Qualification : FOREMAN CERTIFICATE HOLDER  
Appointment/ : 01-JAN-03  
Termination date

## Manager

Name : B. K. RAI  
Qualification : FORMAN CERTIFICATE HOLDER  
Appointment/ : 01-JAN-03  
Termination date

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	19-OCT-90
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	28-JAN-97
		Mining Scheme rule 12 MCDR1988	09-MAY-01
		Renewal under rule 22 MCR1960	16-JUL-07
		PMCP under 23B(1) for Renewal	16-JUL-07
		Mining Scheme rule 12 MCDR1988	06-DEC-12

## PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No Exploration proposed	No Exploration proposed	
1b	Exploration over lease area for geological axis 1 or 2	G1- 2.67 ha, G2 -0.23 ha	G1- 2.67 ha, G2 -0.23 ha	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Nil	Nil	
1d	Balance area to be explored to bring Geological axis in 1 or 2	04 holes proposed during year 2022-23 , total meterage 80 .	Exploration work was not carried out till date of Inspection.	Violation Point out to lessee as per rule 11(1) of MCDR 2017.
1e	Balance reserve as on 01/04/20	Resreve Under 111 0.192207 Million Tonnes and 121 and 122 0.038588 Million Tonness	Resreve Under 111 0.192207 Million Tonnes and 121 and 122 0.038588 Million Tonness	
1f	General remarks of inspecting officers on	04 boreholes propsed was during year	04 boreholes propsed was during year 2022-23. Exploration not carried	04 boreholes propsed was during year 2022-23.

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Development proposed towards NE of existing pit by formation of two benches from 1450 Mrl to 1440 Mrl of 5 mtr height.	Development work within proposal but bench height observed more than proposed height.Violation under 11(1) issued to lessee.	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Not Applicable	Not Applicable	
2c	Stripping ratio or ore to OB ratio	1:00.00	1:00.00	
2d	Quantity of topsoil generation in m3	Nil	Nil	
2e	Quantity of overburden generation in m3	No overburden generated during the year 2021-22.	No overburden generated during the year 2021-22.	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	Height of the benches is more than proposed height, Violation under rule 11(1) issued to lessee.	Height of the benches is more than proposed height, Violation under rule 11(1) issued to lessee.	

3c	Recovery of sailable/usable mineral from ROM production	95%	95%
3d	Quantity of mineral reject generation	Nil	Nil
3e	Grade of mineral rejects generation and threshold value declared.	Not Applicable	Not Applicable
3f	Quantity of sub grade mineral generation.	Not Applicable	Not Applicable
3g	Grade of sub grade mineral generation	Not Applicable	Not Applicable
3h	Manual / Mechanised method adopted for segregating from ROM	No Proposals incorporated	No Proposals incorporated
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No Beneficiation Study proposed.	No Beneficiation Study carried out.
3j	Provision of drilling and blasting in mineral benches	Jack hammer and wagon drill use for drilling 30 mm to 65 mm dia	Jack hammer and wagon drill use for drilling 30 mm to 65 mm dia hole in limestone benches. Blasting done by using

3k	Provision of mining machineries in mineral benches	0.5 Cum JCB use for loading operation and 10 Tonnes capacity Tippers use for Transportation of Limestone.	0.5 Cum JCB use for loading operation and 10 Tonnes capacity Tippers use for Transportation of Limestone.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	5m height of benches were proposed.	Benches height not maintained as per proposals, Violation point out to lessee.
3m	Total area covered under excavation/pits	1.48 ha	1.35 ha
3o	Total area put in use under different heads at the end of year	1.78	1.50 ha
3p	Production of ROM mineral during the last five year period as applicable	2017-18 24342 Tonnes 2018-19 24500 Tonnes 2019-20 32750 Tonnes 2020-21 39002 Tonnes 2021-22 39375 Tonnes	2017-18 24334 Tonnes 2018-19 24495 Tonnes 2019-20 27355 Tonnes 2020-21 18033.50 2021-22 14112.60 Tonnes

## Solid Waste Management - Dumping:

Sl.No.	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	No proposals incorporated in approved mining plan.	No proposals incorporated in approved mining plan.	
4b	Location of topsoil, OB and mineral reject dumps	Towards Eastren of the ML near boundary pillar W-X-Y.	Towards Eastren of the ML near boundary pillar W-X-Y.	
4c	Number of dumps within lease area and outside of lease area	1	1	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Towards Eastren of the ML near boundary pillar W-X-Y.	Towards Eastren of the ML near boundary pillar W-X-Y.	
4e	Number of active and alive dumps.	1	1	
4f	Number of dead dumps.	0	0	
4g	Number of dumps established.	None	None	
4h	Whether Retaining wall or garland drain all along dumps are there.	165 meter Retaining Wall propoed	Retaining not constructed in mine, Violation issued to lessee in this regards.	Retaining not constructed in mine, Violation issued to lessee in this regards.
4i	Length of Retaining wall or garland drain	165 meter proposed	not constructed	

4k	Specific comments of inspecting officer on waste dump management	one waste dump exist in this mine at present time.No waste generated during year 2021-22, small quantity of interburden waste generated which used for haul road maintainance.	one waste dump exist in this mine at present time.No waste generated during year 2021-22, small quantity of interburden waste generated which used for haul road maintainance.	one waste dump exist in this mine at present time.No waste generated during year 2021-22, small quantity of interburden waste generated which used for haul road maintainance.
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Solid Waste Management - Backfilling:

Sl.No.	Item	Propasals	Actual work	Remarks
5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	No Proposal for backfilling in year 2021-22.	No Proposal for backfilling in year 2021-22.	
5b	Area under backfilling of mined out area	Not Applicable	Not Applicable	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out	Not Applicable	Not Applicable	No top soil generated in mine during year 2021-22

Sl.No.	Item	Propasals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	Submitted	Submitted	
6b	Area available for rehabilitation (ha) .	Not Applicable	Not Applicable	
6c	afforestation done (ha) .	0.08 ha	0.08 ha	Planation
6d	No. of saplings planted during the year	80	80	
6e	Cumulative no .of plants	250	200	
6f	Any other method of rehabilitation	Not Applicable	Not Applicable	
6g	Cost incurred on watch and care during the year	20000	10000	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids	No proposals incorporated	No proposals incorporated	

6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on backfilled area	No proposals incorporated	Not Applicable
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Not Applicable	Not Applicable
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	No proposals incorporated	No proposals incorporated
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	No proposals incorporated	No proposals incorporated
6n	Compliance of rehabilitation of waste land within lease (ii)Area	No proposals incorporated	No proposals incorporated

6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	PMCP proposals such as retaining, fencing was not done in mine during year 2021-22, Violation letter issued to lessee as per rule 11(1) of MCDR 2017.	PMCP proposals such as retaining, fencing was not done in mine during year 2021-22, Violation letter issued to lessee as per rule 11(1) of MCDR 2017.
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Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	No proposals incorporated	No proposals incorporated	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Not Applicable	Not Applicable	
7c	Different grade of mineral sorted out at mines.	Not Applicable	Not Applicable	
7d	Any beneficiation process at mines .	No beneficiation process carried out in mine	No beneficiation process carried out in mine	

8a	Separate removal and utilization of topsoil (Rule 32)	NO top soil generated during year 2021-22.	NO top soil generated during year 2021-22.
8b	Concurrent use or storage of topsoil	no proposals incorporated	no proposals incorporated
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	no proposals incorporated	no proposals incorporated
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	no proposals incorporated	no proposals incorporated
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	baseline sutdy done	baseline sutdy done
8g	Survival rate	60%	60%
8h	Water sprinkling on roads to control airborne dust	Water sprinkling on haul road for dust surpression	Water sprinkling on haul road for dust surpression
8i	General remarks of inspecting	Aesthetic environment is	Aesthetic environment is good except degradation

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Geologist appointed in mine but mining engineer not appointed. Violation point out to lessee.	Geologist appointed in mine but mining engineer not appointed. Violation point out to lessee.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Information Given	Information Given
9d	Scrutiny of Annual return on afforestation	Information Given	Information Given
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Information Given	Information Given
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Information Given	Information Given
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex Mine Price and Production Cost found within limit.	Ex Mine Price and Production Cost found within limit.
9h	Scrutiny of Annual return on fixed assets	Information Given	Information Given

**Details of violations observed during current inspection and compliance position of violation pointed out**

Violation observed			Show cause position		
Rule NO.	Issued on	Compliance on	Rule NO.	Issued on	Compliance on
MCDR17	Rule 11(1)	21-MAR-23			
MCDR17	Rule 55(1) (1)	21-MAR-23			

**Date :**

**(DAMODAR PRASAD SHARMA)**

Indian Bureau of Mines